Docket No. 1232-4835

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 10/091,985 Confirmation No.: 6343

Applicant(s): SUZUKI, et al. Group Art Unit: 2877

Examiner: Lee, Hwa S.

Filed: March 6, 2002

Customer No.: 27123

For: INTERFEROMETER AND INTERFERENCE MEASUREMENT METHOD

REQUEST FOR SUPPLEMENTAL CERTIFICATE OF CORRECTION OF PATENT

REQUEST	FOR SOTT LEMENTAL CERTIFICATE OF CORRECTION OF TATENT
Mail Stop Commissione P.O. Box 1450 Alexandria, V	
Sir:	
printing.	Attached in duplicate is Form PTO-1050, with at least one copy being suitable for
□ ⊠ ⊠	The error was the fault of the Patent and Trademark Office, no fee is required. The error was not the fault of the Patent and Trademark Office, please charge the requisite fee of \$100 to Deposit Account No. 13-4500, Order No. 1232-4835. The Commissioner is hereby authorized to charge any additional fees which may be required by this paper, or credit any overpayment to Deposit Account No. 13-4500, Order No. 1232-4835. A DUPLICATE COPY OF THIS SHEET IS ATTACHED.

Respectfully submitted, MORGAN & FINNEGAN, L.L.P.

Dated: June 20, 2007

Ping Gu

Registration No. L0040

Correspondence Address:

Address Associated With Customer Number:

27123

(212) 415-8700 Telephone (212) 415-8701 Facsimile Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

(Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE SUPPLEMENTAL CERTIFICATE OF CORRECTION

PATENT NUMBER : 7.106,455 B2

DATED : September 12, 2006

INVENTOR(S) : Akivoshi SUZUKI, Yoshivuki SEKINE

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Title

INTERFEROMETER AND INTERFERANCE MEASUREMENT METHOD

Replace "INTERFERANCE" with - INTERFERENCE --

ADDRESS ASSOCIATED WITH CUSTOMER NUMBER:

PATENT NO.

7.106.455 B2

27123

No. of additional copies

 \Rightarrow

This collection of Information is required by 37 CER 1,322, 1,323, and 1,324. The information is required to obtain or retain a benefit by the public Which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CER 1.4 This collection is estimated to take 1.0 hour to complete, including gathering, persparing, and submitting the completed application from to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions during this turding who the Chel Information Officer, U.S. Patent and Trademark. Office, U.S. Department of Commerce, P.O. Box 1450, Devandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 23313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Approved for use through 01/31/2004, OMB 0651-0033 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. (Also Form PTO-1050)

UNITED STATES PATENT AND TRADEMARK OFFICE SUPPLEMENTAL CERTIFICATE OF CORRECTION

PATENT NUMBER : 7,106,455 B2

DATED September 12, 2006

INVENTOR(S) Akivoshi SUZUKI, Yoshivuki SEKINE

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the Title

INTERFEROMETER AND INTERFERANCE MEASUREMENT METHOD Replace "INTERFERANCE" with - INTERFERENCE --

ADDRESS ASSOCIATED WITH CUSTOMER NUMBER: 27123

PATENT NO.

7.106.455 B2

No. of additional copies

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



(12) United States Patent Suzuki et al.

(10) Patent No.:

US 7,106,455 B2

(45) Date of Patent:

Sep. 12, 2006

(54)	INTERFEROMETER AND INTERFERANCE MEASUREMENT METHOD			,536,086		8/1985 2/1988	Shemwell Nelson et al.	
			4	,743,117	A *	5/1988	Kitabayashi et al 356/520	
(75)	Inventors:	Akiyoshi Suzuki, Tokyo (JP);	4	,958,931	A *	9/1990	Tatian 356/513	
		Yoshiyuki Sekine, Tochigi (JP)	5	.530.547	A *	6/1996	Arnold 356/458	
		yani benine, roenigi (ii)	5	,625,454	A *	4/1997	Huang et al 356/513	
(73)	Assignee:	Canon Kabushiki Kaisha, Tokyo (JP)	5	,737,079	A *	4/1998	Burge et al 356/513	
			5.	,898,501	A *	4/1999	Suzuki et al 356/511	
(*)	Notice:	Subject to any disclaimer, the term of this patent is extended or adjusted under 35	6.	,312,373	B1	11/2001	Ichihara	
				342,703			Koga et al.	
		U.S.C. 154(b) by 187 days.		456,382			Ichihara et al 356/513	
		U.S.C. 134(b) by 187 days.	2002/0	0176090	A1 *	11/2002	Ohsaki et al 356/512	
(21)	Appl. No.: 10/091,985		FOREIGN PATENT DOCUMENTS					
(22)	Filed:	Mar. 6, 2002						
(22)	i neu.	Mai. 0, 2002	JP JP			970	1/1993	
(65)		Prior Publication Data			7-229		8/1995	
. ,	. ,		JP		00-97		4/2000	
	US 2003/0011783 A1 Jan. 16, 2003		JP JP		0-133		5/2000	
(30) Foreign Application Priority Data		JP JP		2-310		10/2002		
(30)	Forei	gn Application Priority Data	JP	200	2-310	612	10/2002	
Mar. 6, 2001 (JP)		* cited by examiner						
(51)	Int. Cl.							
(/	G01B 9/02 (2006.01)		Primary Examiner-Andrew H. Lee					
			(74) Attorney, Agent, or Firm-Morgan & Finnegan, L.L.P.					
(52)	IIS CI	25/1512 25/1512 25/151					-	
	2) U.S. Cl			(57) ABSTRACT				
(58)	Field of Classification Search							

356/513, 521, 511; 378/36

(56)References Cited

See application file for complete search history.

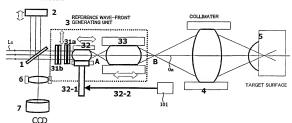
U.S. PATENT DOCUMENTS

3,305,294 A 2/1967 Alvarez

reference wave-front generating unit for generating a reference wave front for measuring the surface shape, which is provided in a target optical path, and includes an Alvarez 33 Claims, 10 Drawing Sheets

shape of an optical element using interference, including a

REFERENCE MIRROR



lens.